INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	East Germany	REPORT	25X1
SUBJECT	VEB Schiffswerft Neptun Rostock: Repairs on a Soviet Torpedo Boat; Repairs on Two Destroyers Transferred to the East Germany Navy	DATE DISTR.	4 DEC 1957
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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. On 2 October 1957, the Soviet torpedo boat TB-17 arrived at VEB Schiffswerft Neptun, Rostock, for repairs to the outer plates of the bow and for the rebuilding of the superstructure on the main afterdeck. During repairs the crew is to remain on board.

2. On 14 October, the Neptun shipyard delivered the destroyers [redacted] 25X1 to the East German Navy. These craft are German destroyers which were transferred to the Soviets in 1945 and returned to the East German Navy in early 1957.

3. The following repairs had been made on these destroyers:

a. New bulwarks on both port and starboard sides on the signal deck.
b. Repairs to the superstructure on the main deck.
c. New floor covering on the bridge.
d. Repairs to the funnel.
e. Repairs to the main mast.

4. The destroyers carried the following armament, of approximately 125 mm. caliber:

1 gun on the forecastle.
1 gun on the superstructure on the forecastle in front of the bridge.
1 gun on the after deck.
1 gun on both port and starboard sides of the afterdeck.

5. Twin torpedo tubes are mounted midships between the superstructures.

6. Both destroyers have a main mast forward and an approximately 3-meter long conical rod antenna on the superstructure on the after deck.

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a. The main mast rests on a steel tripod, the three legs of which are joined at about two-thirds the overall height of the mast (i.e. including the aerial on the mast). At this junction point the mast bends to the horizontal and then continues vertically for a further 2 meters. The mast is of metal construction throughout its entire length.

b. To the top of the mast is attached a conical rod antenna of about 2½ meters in length. No leads from this antenna are visible either sidewards or downwards.

c. At the point where the mast leaves the horizontal for the last 2 vertical meters there is an aerial consisting of 2 circles with their planes at right angles [redacted] 25X1

d. At the bend from the horizontal to the vertical there is another aerial consisting of a horizontal crosspiece about 5 meters long, to which are fastened 2 vertical poles at a point about 20 cm. from the ends of the crosspiece. The dipole on the starboard side is about 2 meters long and the dipole on the port side is about 70 cm. long; both dipoles are about 3-4 cm. in diameter. Both halves of the crosspiece are connected to the bridge by a cable, in which are fastened six insulators in 2 groups of 3.

e. Slightly above the 5-meter crosspiece aerial there is a 1-meter rod fixed at right angles to the mast. Affixed to the end of the rod is a vertical rod about 80 cm. long, to which is fastened a cross-shaped aerial, each arm of the cross being about 80 cm. long. Each arm of the cross carries 2 dipoles about 15 cm. long, spaced at an interval of 6-7 cm. A 2-cm.-thick cable runs from the cross antenna to the interior of the mast.

f. A third aerial is to be found between the 5-meter crosspiece and the aerial described in paragraph 6.e. This aerial consists of a 1-meter long rod, 3-4 cm. in diameter, pointing toward the stern of the vessel, onto which are fastened 5 dipoles, each about 40 cm. long, placed at intervals of about 15 cm. The distance between the mast and the first dipole is approximately 35 cm; the rod projects beyond the last dipole by approximately 8-10 cm. A 2-cm.-thick cable runs from this rod to the interior of the mast.

g. Slightly above the point where the supporting arm for the cross-shaped antenna joins the mast, there is a curved metal housing, closed on three sides and open toward the front. This metal structure which is 80 cm. long, 12 cm. high and 10 cm. deep, is connected to the interior of the mast with a cable 2 cm. thick.

h. In front of the main mast and the bridge, raised on a socket 1 meter high, there is a mushroom-shaped metal housing, about 40 cm. thick, approximately 2 meters in diameter and 1¼ meters high at its highest point. Two rounded 'arms' approximately 25 cm. long and 20 cm. in diameter, project forwards from this housing. The angle between the arms is about 60°.

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